

Mouse Thyroid receptor-interacting protein 6 (TRIP6) ELISA Kit

Catalog No: #EK6006

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Package Size: #EK6006-1 48T #EK6006-2 96T

Description

Product Name	Mouse Thyroid receptor-interacting protein 6 (TRIP6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	tcag7.1300; MGC10556; MGC10558; MGC29959; MGC3837; MGC4423; OIP1; ZRP-1; OPA-interacting protein 1 thyroid receptor-interacting protein 6 zyxin related protein 1
Accession No.	Q9Z1Y4
Uniprot	Q9Z1Y4
GeneID	22051;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.144 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TRIP6 in samples. An antibody specific for TRIP6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTRIP6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRIP6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TRIP6 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:tRNA-isopentenyltransferase (tRNA-IPT) catalyses the addition of N6-isopentenyladenosine (i6A) on residue 37 of tRNA molecules that bind codons starting with uridine. The human tRNA-isopentenyltransferase (TRIT1) gene encodes a complex pattern of mRNA variants through alternative splicing in both normal and tumor lung tissue and that the nonsense suppressor activity of tRNA-IPT is maintained only in the full-length mRNA isoform, as revealed by gene complementation in yeast. Expression of the full-length transcript was down-regulated 6C14-fold in lung adenocarcinomas as compared to normal lung tissue. A549 lung cancer cells transfected to express the functional TRIT1 gene formed significantly smaller colonies with reduced scattering on the edges and had only limited ability to induce tumors in nude mice.

Note: This product is for in vitro research use only